

BAB V

PENUTUP

A. Kesimpulan

Sesuai dengan apa yang telah dibahas pada bab-bab terdahulu, maka penulis mengambil kesimpulan sebagai berikut:

1. Telah dibangunnya Sistem Informasi Geografi Masjid Agung Di Indonesia.
2. Berdasarkan hasil pengujian fungsi dan hasil kuisisioner yang telah dilakukan, sistem yang dibangun berjalan dengan baik sesuai dengan target yang diharapkan.

B. Saran

Sistem ini memiliki beberapa kekurangan yang dapat dikembangkan untuk memperbaiki kinerja sistem. Adapun saran-saran dari penulis adalah sebagai berikut:

1. Disamping menggunakan algoritma pada google maps dapat juga dikembangkan dengan menambahkan algoritma pencarian jalur terpendek untuk menunjukkan arah atau rute, dan menghitung jarak serta waktu menuju lokasi Masjid Agung.
2. Aplikasi ini dapat dikembangkan lebih jauh dengan menambahkan teknologi *Global Positioning System* (GPS) sehingga bisa mendeteksi lokasi pengguna secara otomatis.

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LAMPIRAN

1. Halaman Beranda

```
<?php
session_start();
$_SESSION[db]='masjid';
include("config/koneksi.php");
include("config/fungsi_combobox.php");
include("config/class_paging.php");

echo "<script language=\"JavaScript\"
src=\"js/form_validation.js\"></script>";
echo "<script language=\"JavaScript\"
src=\"js/myform.js\"></script>";
?>
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-
scale=1">
    <title>SIG MASJID&nbsp;AGUNG</title>

    <!-- Bootstrap -->
    <link href="css/bootstrap.min.css" rel="stylesheet">
    <!-- for fontawesome icon css file -->
    <link href="css/font-awesome.min.css" rel="stylesheet">
    <!-- for content animate css file -->
    <link rel="stylesheet" href="css/animate.css">
    <!-- google fonts -->
    <link href='' rel='stylesheet' type='text/css'>
    <!-- slick slider css file -->
    <link href="css/slick.css" rel="stylesheet">
    <!-- <link href="css/theme-red.css" rel="stylesheet"> -->
    <link href="css/theme.css" rel="stylesheet">
    <!-- main site css file -->
    <link href="style.css" rel="stylesheet">

  </head>
<body>

  <div id="preloader">
    <div id="status">&nbsp;</div>
  </div>
  <!-- End Preloader -->

  <a class="scrollToTop" href="#"><i class="fa fa-angle-
up"></i></a>

  <div class="container">
    <!-- start header area -->
```

```

<header id="header">
  <div class="row">
    <div class="col-lg-12 col-md-12">
      <!-- start header top -->
      <div class="header_top">

      </div><!-- End header top -->
      <div class="header_bottom_right">
        
      </div>

    </div>
  </div>
</header><!-- End header area -->
<!-- Static navbar -->
<div id="navarea">
  <nav class="navbar navbar-default" role="navigation">
    <div class="container-fluid">
      <div class="navbar-header">
        <button type="button" class="navbar-toggle
collapsed" data-toggle="collapse" data-target="#navbar" aria-
expanded="false" aria-controls="navbar">
          <span class="sr-only">Toggle navigation</span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
          <span class="icon-bar"></span>
        </button>
      </div>
<?php  if ( empty($_SESSION['id_admin'])) {
?>
      <div id="navbar" class="navbar-collapse collapse">
        <ul class="nav navbar-nav custom_nav">
          <li class=""><a href="index.php">Beranda</a></li>

          <li><a href="index.php?pg=profil"> Profil Masjid
Agung</a></li>
          <li><a href="index.php?pg=info">Info
Terkini</a></li>
          <li><a
href="index.php?pg=download">Download</a></li>
          <li><a href="index.php?pg=bukutamu">Buku
Tamu</a></li>
        </ul>
      </div>
<?php } else{ ?>
      <div id="navbar" class="navbar-collapse collapse">

<?php  if ($_SESSION['status']=='superadmin') { ?>
        <ul class="nav navbar-nav custom_nav">
          <li class=""><a href="index.php">Beranda</a></li>
          <li class=""><a

```

```

href="index.php?pg=manajemenadmin">Manajemen Admin</a></li>
    <li class="dropdown">
        <a href="#" class="" data-toggle="dropdown"
role="button" aria-expanded="false">Master</a>
        <ul class="dropdown-menu" role="menu">
            <li><a
href="index.php?pg=propinsi">Propinsi</a></li>
            <li><a
href="index.php?pg=kabupaten">Kabupaten</a></li>
            <li><a
href="index.php?pg=kecamatan">Kecamatan</a></li>
            <li><a
href="index.php?pg=berita">Berita</a></li>
            <li><a
href="index.php?pg=downloadadmin">Download</a></li>
        </ul>
    </li>

    <li class="dropdown">
        <a href="#" class="" data-toggle="dropdown"
role="button" aria-expanded="false">Masjid</a>

        <ul class="dropdown-menu" role="menu">
            <li><a href="index.php?pg=masjid">Data
Masjid</a></li>
            <li><a href="index.php?pg=gambarmasjid">Gambar
Masjid</a></li>
        </ul>

    </li>
    <li><a
href="index.php?pg=bukutamuadmin">Bukutamu</a></li>

    <li><a href="Logout.php">Logout</a></li>

</ul>
<?php } else{?>
<ul class="nav navbar-nav custom_nav">
    <li class=""><a href="index.php">Beranda</a></li>
    <li class=""><a href="index.php?pg=dataadmin">Data
Admin</a></li>

    <li class="dropdown">
        <a href="#" class="" data-toggle="dropdown"
role="button" aria-expanded="false">Master</a>
        <ul class="dropdown-menu" role="menu">
            <li><a
href="index.php?pg=propinsi">Propinsi</a></li>
            <li><a
href="index.php?pg=kabupaten">Kabupaten</a></li>
            <li><a
href="index.php?pg=kecamatan">Kecamatan</a></li>

```

```

        <li><a
href="index.php?pg=berita">Berita</a></li>
        <li><a
href="index.php?pg=downloadadmin">Download</a></li>
        </ul>
    </li>

    <li class="dropdown">
        <a href="#" class="" data-toggle="dropdown"
role="button" aria-expanded="false">Masjid</a>

        <ul class="dropdown-menu" role="menu">
            <li><a href="index.php?pg=masjid">Data
Masjid</a></li>
            <li><a href="index.php?pg=gambarmasjid">Gambar
Masjid</a></li>
        </ul>

    </li>
    <li><a
href="index.php?pg=bukutamuadmin">Bukutamu</a></li>

    <li><a href="Logout.php">Logout</a></li>

    </ul>
</div>
<?php}>
<?php }    } ?>

<!--/.nav-collapse -->

</div><!--/.container-fluid -->
</nav>
</div>

<?php    if ( empty($_SESSION['id_admin']) )

{
?>

<?php    if (!isset($_GET[pg])){include("beranda.php");}
        else {include($_GET[pg].php);}
?>

<?php } else{ ?>
<?php    if (!isset($_GET[pg])){include("administrator.php");}
        else {include($_GET[pg].php);}
?>

```

```

<?php } ?>
</div> <!-- /.container -->
<footer id="footer">

    <div class="footer_bottom">
        <div class="container">
            <div class="row">
                <div class="col-lg-6 col-md-6 col-sm-6 col-xs-12">
                    <div class="footer_bottom_left">
                        <p>Copyright © 2016 </p>
                    </div>
                </div>
            </div>
        </div>
    </div>
</footer>

<!-- jQuery google CDN Library -->
<script src="js/jquery.min.js"></script>
<!-- For content animatin -->
<script src="js/wow.min.js"></script>
<!-- bootstrap js file -->
<script src="js/bootstrap.min.js"></script>
<!-- slick slider js file -->
<script src="js/slick.min.js"></script>

    <!-- custom js file include -->
    <script src="js/custom.js"></script>
        <script src="jsl/bootstrap-table.js"></script>
    </body>
</html>

```

2. Halaman Berita

```

<script language="javascript" type="text/javascript"
src="tinymceuk/tiny_mce_src.js"></script>
<script type="text/javascript">
tinyMCE.init({
    mode : "textareas",
    theme : "advanced",
    theme_advanced_toolbar_location : "top",
    theme_advanced_toolbar_align : "left",
    theme_advanced_statusbar_location : "bottom",
    extended_valid_elements
"hr[class|width|size|noshade]",
    file_browser_callback : "fileBrowserCallBack",
    paste_use_dialog : false,
    theme_advanced_resizing : true,
    theme_advanced_resize_horizontal : false,
    theme_advanced_link_targets
    : "_something=My

```



```

something;_something2=My something2;_something3=My something3;",
        apply_source_formatting : true
    });
function fileBrowserCallBack(field_name, url, type, win) {
    var connector =
"filemanager/browser.html?Connector=connectors/php/connector.php";
    var enableAutoTypeSelection = true;

    var cType;
    tinymcpuk_field = field_name;
    tinymcpuk = win;

    switch (type) {
        case "image":
            cType = "Image";
            break;
        case "flash":
            cType = "Flash";
            break;
        case "file":
            cType = "File";
            break;
    }

    if (enableAutoTypeSelection && cType) {
        connector += "&Type=" + cType;
    }

    window.open(connector, "tinymcpuk",
"modal,width=600,height=400");
    }
</script>

<link href="css1/bootstrap-table.css" rel="stylesheet">
<div class="row">
    <div class="col-lg-12">
        <div class="panel panel-default">
            <div class="panel-
heading"><center><h4><b>Data Berita</b></h4></center></div>
            <div class="panel-body">

<?php
$aksi="aksi/aksi_berita.php";
switch($_GET[act]){
default:
?>
<a href='index.php?pg=berita&act=tambah' class='btn btn-
primary'>Tambah</a>

        <table data-toggle="table"
data-show-refresh="true" data-show-toggle="true" data-
search="true" data-select-item-name="toolbar1" data-

```

```

pagination="true">
<thead>
<tr>
<th ><center>No</center> </th>
<th >Gambar</th>
<th >Judul</th>
<th ><center>Aksi</center> </th>
</tr>
</thead>

<tbody>
<?php
$stampil=mysql_query("
SELECT * FROM berita ");
$no=1;
while ($r=mysql_fetch_array($stampil)){
?>
<tr class="odd gradeX">
<td><center><?php echo
$no; ?></center> </td>
<?php if ($r[gambar]==')')
{
?>
<td> </td>
<?php
}
else {
?>
<td> </td>

<?php
}
?>
<td><?php echo $r[judul]; ?></td>
<td>
<a class='btn btn-small btn-info'
href=?pg=berita&act=edit&id=?php echo $r[id_berita]; ?>>Ubah</a>
<a class='btn btn-small btn-danger' href=?php echo $aksi;
?>?pg=berita&act=hapus&id=?php echo $r[id_berita]; ?>'>Hapus</a>
</td>
</tr>

<?php $no++; } ?>
</tbody>
</table>

<?php break; case "tambah": ?>
<section id="ContactContent">
<div class="row">
<div class="col-lg-12 col-md-12 col-sm-12">
<!-- start contact area -->
<div class="contact_area">

<p> Tambah data berita</p>

```

```

        <div class="contact_bottom">
            <div class="contact_us wow fadeInRightBig">
                <br />
                <form class="contact_form" method=POST
action='<?php echo $aksi; ?>?pg=berita&act=tambah'
enctype='multipart/form-data'>
                    Judul:
                    <input class="form-control" name='judul'
type='text' placeholder='judul'>

                    Isi:
                    <textarea class="form-control" cols="30"
rows="10" placeholder="isi berita" name='isi' ></textarea>

                    Gambar:
                    <input type=file name='fupload' size=30>
                    <br />
                    <input type="submit" value="Simpan">

                </form>
            </div>
        </div>
    </div>

</div>
</div>

</section>

<?php break; case "edit": ?>
<?php
    $edit = mysql_query("SELECT * FROM berita WHERE
id_berita='$_GET[id]'");
    $r = mysql_fetch_array($edit);
    ?>

<section id="ContactContent">
    <div class="row">
        <div class="col-lg-12 col-md-12 col-sm-12">
            <!-- start contact area -->
            <div class="contact_area">

                <p> Edit data berita</p>
                <div class="contact_bottom">

                    <div class="contact_us wow fadeInRightBig">
                        <br />
                        <form class="contact_form" method=POST
enctype='multipart/form-data' action=<?php echo $aksi;
?>?pg=berita&act=edit>
                            <input type=hidden name=id value=<?php echo
$r[id_berita]; ?>>

```

```

        Judul:
                <input      class="form-control"      name='judul'
type='text'  value='<?php echo $r[judul]; ?>'>
                Isi:
                <textarea      class="form-control"      cols="30"
rows="190"  placeholder="isi berita"  name='isi'  height=90px><?php
echo $r[isi]; ?></textarea>
                Ubah Gambar:
                <input type=file name='fupload' size=30>
                <br />
                <input type="submit" value="Simpan">

                </form>
        </div>
</div>
</div>

</div>
</div>

</section>
<?php break; ?>

<?php }?>
                </div>
        </div>
</div>
</div>

<style type="text/css">
th:nth-child(1) {
        width: 10px;
}
th:nth-child(2) {
        width: 122px;
}
th:nth-child(3) {
        width: 3250px;
}
th:nth-child(4) {
        width: 370px;
}
</style>

```

3. Halaman Peta

```
<?php
$host="localhost";
$username="root";
$password="";
$databse="masjid";
$connection=mysql_connect ($host, $username, $password);
$db_selected = mysql_select_db($databse, $connection);

$id_propinsi=$_SESSION['id_propinsi'];
$id_kabupaten=$_SESSION['id_kabupaten'];
$id_kecamatan=$_SESSION['id_kecamatan'];

if ($id_propinsi=='Semua') {
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON
masjid.id_kecamatan=kecamatan.id_kecamatan";
$num=mysql_num_rows(mysql_query($sql));
if ($num==0){
echo '<script language="javascript">';
echo 'alert("Data Tidak Di Temukan")';
echo '</script>';
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
";
}
}

elseif ($id_propinsi >= 1 && $id_kabupaten >= 1 && $id_kecamatan
>= 1) {
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
where propinsi.id_propinsi=$id_propinsi and
```

```

kabupaten.id_kabupaten='$id_kabupaten' and
kecamatan.id_kecamatan='$id_kecamatan'
";

$jum=mysql_num_rows(mysql_query($sql));
if ($jum==0){
echo '<script language="javascript">';
echo 'alert("Data Tidak Di Temukan")';
echo '</script>';
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
where propinsi.id_propinsi=$id_propinsi and
kabupaten.id_kabupaten='$id_kabupaten' and
kecamatan.id_kecamatan='$id_kecamatan' ";
}
}

elseif ($id_propinsi >= 1 && $id_kabupaten >= 1) {
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
where propinsi.id_propinsi=$id_propinsi and
kabupaten.id_kabupaten='$id_kabupaten'
";

$jum=mysql_num_rows(mysql_query($sql));
if ($jum==0){
echo '<script language="javascript">';
echo 'alert("Data Tidak Di Temukan")';
echo '</script>';
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
where propinsi.id_propinsi=$id_propinsi and
kabupaten.id_kabupaten='$id_kabupaten' ";
}
}

```

```

elseif ($id_propinsi >= '1') {
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
where propinsi.id_propinsi=$id_propinsi

";

$jum=mysql_num_rows(mysql_query($sql));
if ($jum==0){
echo '<script language="javascript">';
echo 'alert("Data Tidak Di Temukan")';
echo '</script>';
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
where propinsi.id_propinsi=$id_propinsi ";
}
}

else {
$sql = "
SELECT propinsi, kabupaten, kecamatan,
masjid.*
FROM propinsi
INNER JOIN masjid ON propinsi.id_propinsi=masjid.id_propinsi
INNER JOIN kabupaten ON masjid.id_kabupaten=kabupaten.id_kabupaten
INNER JOIN kecamatan ON masjid.id_kecamatan=kecamatan.id_kecamatan
";
}
?>

<?php
if ($jum==0){
echo "<img alt='img' src='img/devhill/hehe.jpg' width=750px
height=380px>";
}

else {
?>
<script type="text/javascript"
src="http://maps.google.com/maps/api/js?sensor=false"></script>

```

```

<script type="text/javascript">
(function() {
window.onload = function() {
var map;
var locations = [
<?php
$result = mysql_query($sql);
while($data = mysql_fetch_object($result)) {
    $x_tengah=$data->lat;
    $y_tengah=$data->lng;
    ?>

    [<?=$data->lat;?>,          <?=$data->lng;?>,'<a
href="index.php?pg=detailmasjid&id=<?=$data-
>id_masjid;?>"><?=$data->nama;?></br> <?=$data->alamat;?>    </a>',
    ],

    <?php }    ?>
    ];
    var options = {
        zoom: 1, //level zoom maps
        center:
google.maps.LatLng(<?=$x_tengah?>,<?=$y_tengah?>),          //kordinat
tengah maps
        mapTypeId: google.maps.MapTypeId.ROADMAP
    };

    var map = new google.maps.Map(document.getElementById('peta'),
    {
        zoom: 5,
        center: new google.maps.LatLng(1.622648, 114.544486),
        mapTypeId: google.maps.MapTypeId.ROADMAP
    });

    var infowindow = new google.maps.InfoWindow();
    var marker, i;
    for (i = 0; i < locations.length; i++) {
        marker = new google.maps.Marker({
            position:
google.maps.LatLng(locations[i][0], locations[i][1]),          new
            map: map,
            icon: 'mosque.png'
        });
        google.maps.event.addListener(marker, 'click',
(function(marker, i) {
            return function() {
                infowindow.setContent(locations[i][2]          +
                '</b>');

                infowindow.open(map, marker);
            }
        })(marker, i));
    }
}

```



```
};  
})();  
</script>  
<!-- Style untuk Peta -->  
<style>  
#peta {  
border:3px solid #000;  
width:1050px;  
height: 580px;  
}  
</style>  
<div align="center">  
<div id="peta"></div>  
</div>  
<?php } ?>
```